




ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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Title of Invention	APPARATUS AND METHOD FOR CONTROLLING THE OXYGEN-TO-CARBON RATIO OF A FUEL REFORMER
<p>Application Number: 10/634056</p> <p>Confirmation Number: 5525</p> <p>First Named Applicant: Rudolf Smaling</p> <p>Attorney Docket Number: 9501-73118</p> <p>Search string: (6322757 or 6311232 or 6284157 or 6248684 or 6235254 or 6176078 or 6152118 or 6134882 or 6130260 or 6125629 or 6122909 or 6082102 or 6048500 or 6047543 or 6014593 or 5974791 or 5921076 or 5910097 or 5894725 or 5887554 or 5852927 or 5847353 or 5845485 or 5826548 or 5813222 or 5787864 or 5666923 or 5660602 or 5599758 or 5560890 or 5451740 or 5445841 or 5441401 or 5437250 or 5425332 or 5412946 or 5409785 or 5409784 or 5362939 or 5317996 or 5293743 or 5284503 or 5272871 or 5228529 or 5212431 or 5207185 or 5205912 or 5159900 or 5143025 or 5138959 or 5095247 or 4967118 or 4963792 or 4928227 or 4841925 or 4830492 or 4657829 or 4651524 or 4625681 or 4625511 or 4578955 or 4522894 or 4469932 or 4458634 or 4436793 or 4339564 or 4168296 or 4144444 or 4099489 or 4059416 or 4036181 or 4036131 or 3992277 or 3982962 or 3894605 or 3879680 or 3841239 or 3779182 or 3755131 or 3649195 or 3622493 or 3594609 or 3423562 or 3035205 or 3018409 or 2787730 or 6294141 or 4451441 or 4516990 or 4535588 or 4670233 or 4759918 or 4849274 or 4902487 or 5746989 or 4485621 or 6153162 or 6193942 or 6287527 or 5863413 or 4720376 or 4359862 or 4372111 or 4535588 or 4720972 or 4477417 or 4515758 or 4828807 or 4576617 or 4535588 or 6038853 or 6038854 or 6012326 or 4473622 or 4303552 or 4645521 or 20020012618 or 20020194835),pn.</p>	
<p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p>	

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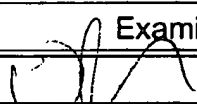
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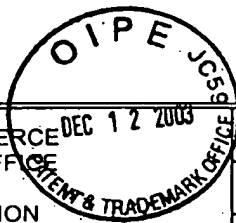
US Published Applications

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Signature

	Examiner Name	Date
		3/7/06



Sheet 1 of 8

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICESUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENTATTY. DOCKET NO.
9501-73118SERIAL NO.
10/634,056APPLICANT
Rudolf M. SmalingFILING DATE
August 4, 2003GROUP
1753

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA						
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		Document Number	Date	Country	Class	Subclass	Translation Yes No
(M)	AL	WO 00/26518A1	May 11, 2000	PCT			X
	AM	WO 01/14702 A1	Mar. 1, 2001	PCT			X
	AN	WO 01/14698 A1	Mar. 1, 2001	PCT			X
	AO	WO 01/33056 A1	May 10, 2001	PCT			X
	AP	WO 94/03263A1	Feb. 17, 1994	PCT			X

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AR	Jahn, "Physics of Electric Propulsion", pp. 126-130 (1968).
AS	Belogub et al., "Petrol-Hydrogen Truck With Load-Carrying Capacity 5 Tons", Int. J. Hydrogen Energy, Vol. 16, No. 6, pp. 423-426 (1991).
AT	Breshears et al., "Partial Hydrogen Injection Into Internal Combustion Engines", Proceedings of the EPA 1 st Symposium on Low Pollution Power Systems and Development, pp. 268-277 (October 1973).
AU	Chuvelliov et al., "Comparison of Alternative Energy Technologies Utilizing Fossil Fuels and Hydrogen Based on Their Damage to Population and Environment in the USSR and East Europe", pp. 269-300.
AV	Correa, "Lean Premixed Combustion for Gas-Turbines: Review and Required Research", PD-Vol. 33, Fossil Fuel Combustion, ASME, pp. 1-9 (1991).
AW	Czernichowski et al., "Multi-Electrodes High Pressure Gliding Discharge Reactor and its Applications for Some Waste Gas and Vapor Incineration", pp. 1-13 (1990).
AX	Das, "Exhaust Emission Characterization of Hydrogen-Operated Engine System: Nature of Pollutants and their Control Techniques", Int. J. Hydrogen Energy, Vol. 16, No. 11, pp. 765-775 (1991).
AY	Das, "Hydrogen Engines: A View of the Past and a Look into the Future", Int. J. of Hydrogen Energy, Vol. 15, No. 6, pp. 425-443 (1990).

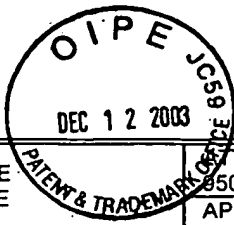
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8501-73118SERIAL NO.
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U.S. PATENT DOCUMENTS

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	BR	Das, "Fuel Induction Techniques for a Hydrogen Operated Engine", Int. J. of Hydrogen Energy", Vol. 15, No. 11, pp. 833-842 (1990).
	BS	DeLuchi, "Hydrogen Vehicles: An Evaluation of Fuel Storage, Performance, Safety, Environmental Impacts and Cost", Int. J. Hydrogen Energy, Vol. 14, No. 2, pp. 81-130 (1989).
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	BW	Hall et al., "Initial Studies of a New Type of Ignitor: The Railplug" - Paper 912319, pp. 1730-1746 (1991).
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	BY	Houseman, et al., "Two Stage Combustion for Low Emissions Without Catalytic Converters", Society of Automobile Engineering Meeting, SAE Paper 760759, pp. 1-9 (October 18-22, 1976).
	BZ	Jones, et al., "Exhaust-Gas Reforming of Hydrocarbon Fuels", Society of Automotive Engineers, Paper 931086, pp. 223-234 (1993).

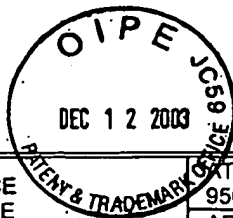
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PATENT AND TRADEMARK OFFICESUPPLEMENTAL INFORMATION
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10/634,056APPLICANT
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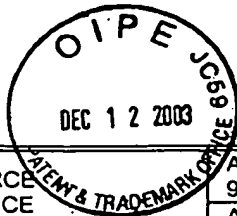
	CR	Kaske et al., "Hydrogen Production by the H ₂ Plasma-Reforming Process", Hydrogen Energy Progress VI, Proceedings of the 6th World Hydrogen Energy Conference, Vol. 1, pp. 185-190 (July 20-24, 1986).
	CS	MacDonald, "Evaluation of Hydrogen-Supplemented Fuel Concept with an Experimental Multi-Cylinder Engine", Society of Automotive Engineers, Paper 760101, pp. 1-16 (February 23-27, 1976).
	CT	Mackay, "Development of a 24 kW Gas Turbine-Driven Generator Set for Hybrid Vehicles", Paper 940510, pp. 99-105, NoMac Energy Systems, Inc.
	CU	Mackay, "Hybrid Vehicle Gas Turbines", Paper 930044, NoMac Energy Systems, Inc., pp. 35-41.
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	CX	Monroe et al., "Evaluation of a Cu/Zeolite Catalyst to Remove NO _x from Lean Exhaust", Society of Automotive Engineers, Paper 930737, pp. 195-203 (1993).
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Examiner

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

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PATENT AND TRADEMARK OFFICESUPPLEMENTAL INFORMATION
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	DN	DD 237120A1	Jul. 2, 1986	Germany (East)			X(Abstract Only)
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	DP	GB 1221317	Feb. 3, 1971	United Kingdom			X(Abstract Only)

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	DR	Rabinovich et al., "Plasmatron Internal Combustion Engine System for Vehicle Pollution Reduction", Int. J. of Vehicle Design, Vol. 15, Nos. 3/4/5, pp. 234-242 (1994).
	DS	Scott et al., "Hydrogen Fuel Breakthrough with On-Demand Gas Generator", 372 Automotive Engineering, Vol. 93, No. 8, pp. 81-84 (Aug. 1985).
	DT	Shabalina et al., "Slag Cleaning by Use of Plasma Heating", pp. 1-7.
	DU	Handbook of Thermodynamic High Temperature Process Data, "Conversion of Hydrocarbons and Production of Reducing Gases in the C-H-O and C-H-O-N Systems", Chapter Nine, pp. 507-547.
	DV	Varde et al., "Reduction of Soot in Diesel Combustion with Hydrogen and Different H/C Gaseous Fuels", Hydrogen Energy Progress V, pp. 1631-1639.
	DW	Wang et al., "Emission Control Cost-Effectiveness of Alternative-Fuel Vehicles", Society of Automotive Engineers, Paper 931786, pp. 91-122 (1993).
	DX	Wilson, "Turbine Cars", Technology Review, pp. 50-56 (February/March, 1995).
	DY	Kirwan et al., "Fast Start-Up On-Board Gasoline Reformer for Near Zero Emissions in Spark-Ignition Engines", Society of Automotive Engineers 2002 World Congress, Paper No. 2002-01-1011, 14 pgs. (March 4-7, 2002).
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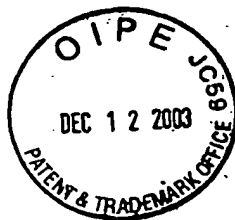
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Sheet 5 of 8

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 9501-73118	SERIAL NO. 10/634,056
	APPLICANT Rudolf M. Smaling	
	FILING DATE August 4, 2003	GROUP 1753

U.S. PATENT DOCUMENTS

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	ER	Chandler, "Device May Spark Clean-Running Cars", The Boston Globe, p. E1, 2 pgs. (July 12, 1999).
	ES	Simanaitis, "Whither the Automobile?", Road and Track, pp. 98-102 (September 2001).
	ET	Shelef et al., "Twenty-five Years after Introduction of Automotive Catalysts: What Next?" Catalysis Today 62, pp. 35-50 (2000).
	EU	Stokes et al., "A Gasoline Engine Concept for Improved Fuel Economy - The Lean Boost System", International Falls Fuels and Lubricants Meeting and Exposition, SAE Technical Paper Series, 14 pgs. (October 16-19, 2000).
	EV	Tachtler et al., "Fuel Cell Auxiliary Power Unit - Innovation for the Electric Supply of Passenger Cars?", Society of Automotive Engineers, Paper No. 2000-01-0374, pp. 109-117 (2000).
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Examiner

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Sheet 6 of 8

U.S. DEPARTMENT OF COMMERCE
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		Document Number	Date	Country	Class	Subclass	Translation Yes No
	FL	JP 5127630 A2	May 25, 1993	Japan			X(Abtract Only)
	FM	SU 1519762A1	Nov. 7, 1989	Soviet Union			X(Abtract Only)
	FN	GB 1014498	Dec. 31, 1965	United Kingdom			X
	FO	GB 2188559A	Oct. 7, 1987	United Kingdom			X
	FP	DE 3337903A1	May 9, 1985	Germany			X

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	FR	Bromberg et al., "Emissions Reductions Using Hydrogen from Plasmatron Fuel Converters", Int. J. of Hydrogen Energy 26, pp. 1115-1121 (2001).
	FS	Burch et al., "An Investigation of the NO/H ₂ /O ₂ Reaction on Noble-Metal Catalysts at Low Temperatures Under Lean-Burn Conditions," Applied Catalysis B: Environmental 23, pp. 115-121 (1999).
	FT	Costa et al., "An Investigation of the NO/H ₂ /O ₂ (Lean De-NO _x) Reaction on a Highly Active and Selective Pt/La _{0.7} Sr _{0.2} Ce _{0.1} FeO ₃ Catalyst at Low Temperatures", Catalysis 209, pp. 456-471 (2002).
	FU	Frank et al., "Kinetics and Mechanism of the Reduction of Nitric Oxides by H ₂ Under Lean-Burn Conditions on a Pt-Mo-Co/δ-A1 ₂ O ₃ Catalyst", Applied Catalysis B: Environmental 19, pp. 45-57 (1998).
	FV	Gore, "Hydrogen A Go-Go", Discover, pp. 92-93, (July, 1999).
	FW	Koebel et al., "Selective Catalytic Reduction of NO and NO ₂ at Low Temperatures", Catalysis Today 73, pp. 239-247 (2002).
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

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Sheet 7 of 8

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICESUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENTATTY. DOCKET NO.
9501-73118SERIAL NO.
10/634,056APPLICANT
Rudolf M. SmalingFILING DATE
August 4, 2003GROUP
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U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
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(P)	GL	EP 0382434A2	Aug. 16, 1990	EPO			X
	GM	GB 2188559A	Oct. 7, 1987	United Kingdom			X
	GN	WO 96/27078A1	Sept. 6, 1996	PCT			X
	GO	JP 54-74419	June 12, 1979	Japan			X
	GP	JP 9079024A2	March 25, 1997	Japan			X (Abstract Only)

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

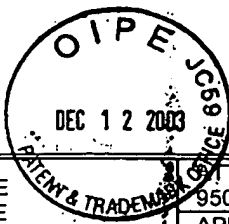
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	HL	DE 19927518A1	Jan. 18, 2001	Germany			X(Abstract Only)
	HM	EP 1057998A1	May 5, 2000	EPO			X(Abstract Only)
	HN	JP 3-195305	Aug. 26, 1991	Japan			X(Abstract Only)
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